

ENVIRON Corporation  
Counsel in Health and Environmental Science

October 20, 1986

HAND DELIVER

Mr. Michael Surowiec  
Bureau of Industrial Site Evaluation  
Division of Waste Management  
New Jersey Department of Environmental Protection  
428 East State Street  
Trenton, NJ 08608

Re: Hexcel Corporation - Industrial Chemicals Group  
205 Main Street, Lodi Borough, Bergen County  
ECRA Case No. 86009

Dear Mike:

On September 18, 1986, Edward A. Hogan, Esq., of Lowenstein, Sandler, Brochin, Kohl, Fisher & Boylan, received the September 15, 1986, letter from Joseph R. Fallon and your accompanying Report of Inspection for the former Hexcel Corporation facility in Lodi, New Jersey. On behalf of our client, Hexcel Corporation, ENVIRON has prepared responses to both the issues raised in Mr. Fallon's letter and the "Actions Required on the Part of the Applicant" in the Report of Inspection. The required information has been gathered with the assistance of Fine Organics Corporation, the current owner and operator of the facility (the buyer in this ECRA-triggering transaction).

The following items from Mr. Fallon's September 15, 1986, letter have been addressed as described below:

Item 1: Provide more detailed information on the location and construction of the quenching ponds used during previous operations.

Response: Based on the information provided by Fine Organics Corporation employees who have worked at this facility over a long period of time, the quenching pond was located in the area where Building 11 is now located. Its construction is believed to have been a poured concrete wall and concrete floor. To the best of the knowledge of the Fine Organics Corporation employees, Fine Organics, Inc. never used the quenching pond.

SDMS Document



88636

Item 2: Provide details on the previous use of the scrubber unit and related piping located in Building 12.

Response: The scrubber in Building 12 is a wet scrubber air pollution control device for the drying ovens in Building 12. It was used to remove Dibactol particulate matter from the exhaust from the drying ovens. It is believed that the scrubber unit has always been used for the removal of Dibactol. The manufacturing process which produces the Dibactol particulate matter was discontinued in September, 1986, for marketing reasons. The scrubber unit is permitted under Air Pollution Control Permit #018701. A copy of this permit is enclosed as Attachment 1.

Item 3: Provide more detail on the use of the hot wash tank/sink located in Building 11, including how often and where the fluids are removed.

Response: The hot wash tank, which contained N-methyl pyrrolidone, was used occasionally (approximately once a month) for cleaning resin manufacturing equipment. The spent material was pumped directly into 55-gallon steel drums and sold to a recycler. The resin manufacturing operation was discontinued at this facility in March, 1986. Because the tank is no longer in use, it will be cleaned and disassembled.

Item 4: Provide details on the use of the steam tunnel, include a diagram/map on its dimensions and orientation.

Response: The steam tunnel is believed to have been used originally by United Piece Dye Works as a conduit for steam and water piping. The tunnel originated from the United Piece Dye Works power station located approximately one-half mile from the facility (near City Hall). It was walled off before extending to beneath Molnar Way prior to acquisition by Hexcel Corporation. The tunnel is currently used to access the City water pipes for maintenance purposes. The tunnel is vented through an air shaft that connects to the maintenance shop. A diagram of the steam tunnel is enclosed as Attachment 2.

Item 5: Provide more information on the previous hot oil system found in the boiler room, including details on the type of oil used and the type of containment underneath the unit.

Response: The hot oil system was used to heat amides in the manufacture of slip additives. The hot oil system has not been used since December, 1981. The type of oil used was Mobil Therm. The unit sits on a poured concrete pad.

Item 6: Provide specifications on the construction of the recovery well and information on the latest cleaning of the casing of the production well.

Response: ENVIRON is attempting to obtain the specifications on the construction of the recovery well. This information will be forwarded to the Department when available. Information concerning the latest cleaning of the casing of the production well as well as the results of a pump and well test of the production well are included as Attachment 3.

Item 7: Provide copies of the testing report performed as a part of the five-year permit renewal for discharge to the industrial sewer; also provide copies of typical monitoring analyses performed on a daily basis as well as an estimate of the types and volumes of fluids entering the sumps and sewer lines.

Response: This information is included in Attachment 4.

The following items address the "Actions Required on the Part of the Applicant" specified in the Report of Inspection:

Item 1: Provide original blue prints (where possible) of all sewer lines, piping, and catch basins as well as documentation of their age and construction details. Storm, industrial, and sanitary lines as well as distribution of roof drains should be clearly distinguished. Where blueprints are not available, a detailed evaluation of floor drain piping (in Buildings 11, 12, and 1) should be conducted using smoke and dye tests. All results

should be reported on an enlarged site plan of each building.

Response: Enclosed is a copy of a 1966 plot plan of the facility indicating drainage pipes and structures (see Attachment 5). Documentation concerning the age and construction detail of these lines, however, was not available. Because blueprints are not available for Buildings 11, 12, and 1, dye or smoke tests will be performed to determine the locations and connections of floor drains in these buildings. The dye or smoke tests will be performed after the drains and lines have been cleaned (see the Response to Item 3 of the "Actions Required on the Part of the Applicant"). After the dye or smoke tests have been performed, the drainage system will be depicted on a site plan and submitted to the Department.

Item 2: Identify the purpose of the pit and check for cracks and leaks and determine if it is connected to the drainage network (verify with photograph). Determine the composition of the fluid. If hazardous constituents are identified in the fluid, and if the unit is found to be leaking, it will have to be addressed in an Addendum to the Sampling Plan.

Response: The pit apparently has been used as a containment structure for gas cylinders. The contents of the gas cylinders are unknown. The water has been removed from the pit and is being stored in two 55-gallon drums. A sample of the water will be collected and analyzed. A visual inspection of the pit after removal of the accumulated rain water revealed that it is not connected to any drainage network. There appear to be no cracks or breaks in the concrete. Photographs to document the integrity of the pit will be sent to the Department at a later date.

Item 3: Identify the ultimate discharge location of runoff entering the sewer grate. Visually inspect the catch basin for cracks and leaks and verify its integrity with a photograph. If leaks are found, the unit may have to be addressed in an Addendum to the Sampling Plan.

Response: Arrangements are being made by Fine Organics to have the sewer lines, including the catch basins, cleaned by an outside contractor. Fine Organics has not been able to schedule a date yet to have the sewer lines cleaned, but should be able to within the next few weeks. After the system has been cleaned, the catch basin will be examined for cracks or leaks and photographed. Information concerning the integrity of the catch basin should be forwarded to the department within the next 60 days.

Item 4: Identify the current storage location of the oil and water pumped from the recovery well. When any fluid or waste is generated and removed from Hexcel, the following documentation must be provided: volume estimates of material removed, waste classification numbers (available through David Schrier of the Bureau of Hazardous Waste Planning at 609-292-6520), manifests, as necessary, and ultimate disposal location receipts.

Response: The oil which has been pumped from the recovery well is currently stored in five 55-gallon steel drums inside Building 1. The drums will be disposed of by Advance Environmental Technology, Inc. The appropriate documentation will be provided to the Department after disposal.

Item 5: Determine the composition and age of transformer. Identify location(s) of previously used transformers and provide information on historical servicing (where possible).

Response: According to Public Service Electric & Gas Company of Secaucus, New Jersey, the one transformer located on the property is presumed to be PCB-contaminated. No further information could be obtained.

Item 6: Provide full details on the previous use of the platform. Soils underneath it must be addressed in an Addendum to the Sampling Plan.

Response: Prior to the construction of the warehouse in 1968, the platform on the west side of Building 1 was used

as a general receiving dock for incoming materials. The platform has not been used as a receiving dock since 1968. Appropriate sampling beneath the platform will be proposed in an Addendum to the Sampling Plan.

Item 7: Determine purpose of the pipe.

Response: The pipe is apparently a scrap piece of 1-1/2 inch condensate line piping. The pipe, which was approximately twelve feet long, was embedded approximately eight inches into the soil and was not connected to anything. This pipe has been removed.

Item 8: The catch basin should be inspected for integrity (verified by a photograph). Its ultimate discharge point(s) and all inflow and outflow pipes should be clearly identified on a site map. If leaks are found, the unit must be addressed in an Addendum to the Sampling Plan.

Response: As described in the Response to Item 3, the sewer system, including the catch basins, will be cleaned in the near future. After the system has been cleaned, this catch basin will be inspected for all inflow and outflow pipes. A dye test will also be performed to determine the ultimate discharge point. Information concerning the inflow and outflow pipes and the results of the dye test should be forwarded to the Department within the next 60 days. Because the catch basin receives discharges from the other catch basins on-site and is in constant use, it cannot be emptied and examined for leaks and cracks without re-routing the sewer system. Therefore, appropriate sampling around the catch basin to evaluate its integrity will be proposed in an Addendum to the Sampling Plan.

Item 9: Determine the purpose of the pipe.

Response: The purpose of this pipe is to drain the accumulated rain water from the spill containment area.

Item 10: Provide details on the dimensions of the shaft pit and verify its integrity (cracks, drains, etc.) with a photograph.

Response: An investigation of the elevator shaft is being conducted. When available, information concerning the elevator shaft, including its dimensions and photographs indicating the presence or absence of cracks, drains, etc., should be provided to the Department within the next 60 days.

Item 11: Identify the purpose of the hole.

Response: The hole appears to be a drain for steam condensate. This drain will be dye or smoke tested at the time that the other drains in Building 11 are dye or smoke tested (see the Response to Item 1).

Item 12: Identify origin of the blue fluid.

Response: The blue fluid is one of two dyes used in the manufacture of a toilet deodorant compound called "FO 401 AM". The material safety data sheets for these dyes is enclosed as Attachment 6.

Item 13: Identify the purpose of the drains and provide information on the routing of piping as in Item 1 above.

Response: These drains, located in Building 1, are used to collect wash water when the floor is washed and also to collect condensate from the steam lines. The drains are connected to the sewer sampling pit in a rear lot behind Building 11. This drain will be dye or smoke tested at the time that the other drains in Building 1 are tested (see the Response to Item 1).

Item 14: Identify the purpose of this rubber pipe.

Response: Apparently, the rubber hose is a general purpose hose for use in a variety of plant operations. It was not connected to anything and apparently had been placed in this location while not in use.

October 20, 1986

If you have any questions or if we may be of any further assistance, please do not hesitate to contact us.

Sincerely,

*Robert H. Harris*

Robert H. Harris, Ph.D.  
Principal

*Rob Powell*

Robert Powell, Ph.D.  
Project Manager

*Rebecca Hiers*

Rebecca Hiers  
Research Assistant

RHH/ej  
Attachments

cc: Lawrence Edelman, Esq.  
Edward Hogan, Esq.  
Mr. William Nosil  
Michael Rodburg, Esq.

886360008



ATTACHMENT 1

886360009

DIVISION OF ENVIRONMENTAL QUALITY  
AIR POLLUTION CONTROL PROGRAM  
BUREAU OF ENGINEERING AND TECHNOLOGY**All Correspondence must indicate your APC PLANT ID NUMBER**

Permit/Certificate Number 013701

APC PLANT ID 00270

(Mailing Address)

(Plant Location)

FOA CORPORATION  
205 MAIN ST  
LODI

NJ 07644

FINE ORGANICS CORPORATION  
205 MAIN STREET  
LODI

Applicant's Designation of Equipment BLDG. 12-PACKED COLUMN SCRUBBER

N.J. Stack No. -002 No. of Stacks 001

No. of Sources 04

Original Approval 06/19/75

Effective 06/19/80

**Expiration** 06/19/90PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT  
AND  
CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT (AMENDMENT)THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO  
REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP.IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT  
IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED  
PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8.3E.THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION  
ON THE OPERATING PREMISES AS PER N.J.A.C. 7:27-8.3D.RECEIVED  
JUN 6 1986N.J. Department of Environmental Protection  
Division of Environmental Quality  
CN-027  
Trenton, New Jersey 08625

Approved by:

*William F. Hest*Supervisor  
New Source Review Section

886360010

05/28/86-08

ATTACHMENT 2

886360011

Road

Molnar

Building 1



Recovery Well

Steam Tunnel

# Steam Tunnel Schematic Diagram

Hexcel Corporation, Lodi, New Jersey

886360012

ATTACHMENT 3

886360013

# BURROWS WELL DRILLING CO., INC.

PUMP INSTALLATION AND SERVICE

INVOICE

8-19-85

CONSTRUCTION — DEVELOPING — REPAIRING OF INDUSTRIAL AND MUNICIPAL WELLS

86 FIFTH AVENUE  
HAWTHORNE, N.J. 07506

427-0895

EXCEL CHEMICAL PRODUCTS  
103 MAIN STREET  
NEW JERSEY 07644

date July 15, 1985

Attn: Mr. Joe Miazgowiec

6/25 and 7/1/81	1 man & Equip. 12 hrs. @ \$31.00/hr.	372.00
	Took your Bowl Assembly back to our shop, Cleaned and reassembled, held in our shop not previously billed.	
8-85	2 men & Equipment 9 hrs. @ \$35.00/hr. *	630.00
	14 Ty Raps	7.14
		1,009.14
	Plus 6% Sales Tax	60.55
	Total amount due	\$1,069.69

Removed 16 lengths 3" pipe, bowl  
assembly & pump. Reinstalled, cleaned used  
cowl assembly, reinstalled with same wire,  
coter and pipe.

NOTE: We measured your Motor, 4 megs to ground on insulation test.  
Motor shows signs of cast iron deterioration and a slight drag in  
bearings. Drop pipe has several lengths that have been deteriorated  
badly. We recommend that in the near future the pipe, bowl Assembly  
and Motor and wire should be replaced.

NOTE

Last Invoice

886360014

PUMP AND WELL TEST

Date 5-22-72  
205 Main Street  
Job Name The Organics Location Lodi, New Jersey  
MEASURING DEVICE — Orifice Size 2" inches x 4" inches  
Describe other method of measurement \_\_\_\_\_  
Describe method of pumping \_\_\_\_\_  
Diam. Well \_\_\_\_\_ Drawdown gauge reading (before start) \_\_\_\_\_ lbs. \_\_\_\_\_ ft.  
Static Level \_\_\_\_\_ Depth of Setting \_\_\_\_\_ Length of bowls \_\_\_\_\_  
Length suction pipe \_\_\_\_\_ Length tell-tale \_\_\_\_\_ Type of Gauges \_\_\_\_\_  
Those present at test \_\_\_\_\_

Time	Disch. Press. Lbs.	D. D. Gauge Reading	Draw- down Feet	T. D. H.	Orifice Inches	G. P. M.	Spec. Cap. G. P. F.	R. P. M.	Temp.	Remarks
12:30		3'								Started to p
12:35		45'			42"	272				
12:45		54'			34"	246				Water light
1:00		57'			31	235				
1:20		60'			30"	230				
2:00		60'			29"	226				
2:15										fixed orifice
2:30		60'			35"	250				
3:00		60'			35"	250				Water Clear
3:30		60'			35"	250				
4:00		60'			35"	250				
4:30		60'			35"	250				Shut down

TEMPERATURE — Take not less than five readings during test.

CAPACITY — Take not less than five readings at different pressures and one against a closed valve to establish pump performance curve for turbine pumps.

Place additional remarks on reverse side.

ATTACHMENT 4

886360016



85 Trinity Place  
Hackensack NJ 07601  
(201) 458-5242

886360017

## LABORATORY REPORT

Job No. H04584 Date 9/5/85

Client  
Hexcel Chemical Corporation  
Mr. Jim Higdon  
205 Main Street  
Lodi, NJ 07644

Sample(s) Reference

Date Samples ( ☒ ) received ( ) collected by General Testing

7/31/85

P.O. # \_\_\_\_\_

### ANALYTICAL RESULTS

(mg/l unless stated otherwise)

Sample Description	Effluent
Date(s) Collected	7/31/85
Time(s)	
pH	7.4
COD, Dichromate	55
Grease/Oil	28
Solids, Suspended	30
Solids, Total	786
TOC	63
Total Mineral Solids	547
Total Mineral Suspended Solids	9.3

**RECEIVED**  
9-11-85

cc: Mr. Vincent Olivo  
Passaic Valley Sewer Commission

Analytical procedures in accordance with Standard Methods for the Examination of Water and Wastewater, 15th Edition and Methods for Chemical Analysis of Water and Wastes, EPA. (<) indicates lowest detectable concentration with procedure used. Data on quality control performed with above sample(s) is available upon request.

Richard J. Miller  
Laboratory Director

85 Trnity Place  
Hackensack, NJ 07601  
(201) 488-5242

Date 1/9/86

Discharge to PVSC

(mg/l unless stated otherwise)

**B**

12/12/85

6.9

129

 $\leq 0.01$ 

134

 $p < .0005$ 

Laboratory Director

886360019

HE: HEXCEL CORPORATION

RESS: 205 MAIN STREET

CILITY LOCATION: LODI, NEW JERSEY 07644-0995

1984/85  
TNTBWA  
USE  
ONLY JRA  
1-4 QUARTER

402370 — 37430 — 0171  
OUTLET DESGINATION (17 DIGITS)

MONITORING PERIOD					
10	1	84	9	30	85
MON.	DAY	YR.	MON.	DAY	YR.
START			END		

(CU. FT. X 7.48 = GALS.)
3,787,624 GALLONS
VOL. DISCHARGED THIS PERIOD

		I				II				III				IV				AVERAGE - 12 Mo.	
		10/11	11/8	12/6	1/3	2/13	4/10	4/11	5/16	6/13	7/11	8/7	9/12					10/10	
(mg/l)	0310	230	392	306	244	267	128	128	200	160	120	90	398					233.5	
(mg/l)	0530	793	720	643	528	240	198	45	106	34	82	23	30					286.8	

(mg/l)	0310																		
(mg/l)	0530																		

JAMES R. HIGDON, PLT. MGR.

(201)-472-6800

886360020

LITY LOCATION: LODI, NEW JERSEY 07644-0995

WELL WHITE 347,600.00  
PURCHASED WHITE 211,800.00  
TOTAL 559,400  
LESS 5% EARN. - 29,275  
NET 530,125

OUTLET #1 INDUSTRIAL SEWER

02370 — 37430 — 0171  
FILE DESIGNATION (17 DIGITS)

MONITORING PERIOD					
10	4	85	12	31	85
MON.	DAY	YR.	MON.	DAY	YR.
START			END		

(CU. FT. X 7.48 = GALS.)

560,028

.VOL. DISCHARGED THIS PERIOD

[illegible][illegible]

JAMES R. HIGDON, PLT. MGR.

(201)-472-6800

1-16-88

886360021

ATTACHMENT 5

886360022

TO  
P.V.S.C. 11  
473-1176  
A. PERAZZO

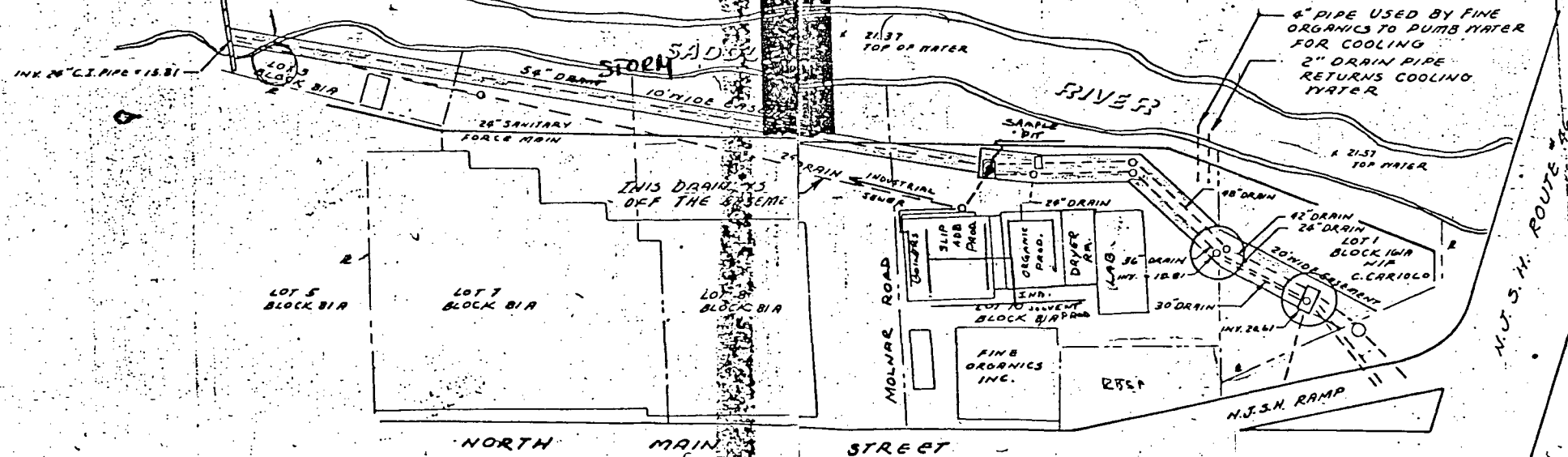
PUMPING  
STATION

EXISTING DAM  
TOP OF DAM = 20.87  
TOP OF WATER = 20.1  
TOP OF WATER = 16.3  
AT BOTTOM DAM

INK 26" C.I. PIPE = 15.81

- EASEMENTS GRANTED FOR STORM DRAINS
- 1) SERVICE LAND CO. TO THE COUNTY OF BERGEN  
DEED BOOK 2089, PAGE 666, DEED DATED 10/29/37.
  - 2) THE UNITED PIECE DYE WORKS TO THE COUNTY  
OF BERGEN DEED BOOK 2089 P. 668  
DEED DATED 10/29/37.
  - 3) SERVICE LAND CO. TO THE STATE OF  
NEW JERSEY, DEED BOOK 201, PAGE 121  
DEED DATED 2/17/36.

- REFERENCE MAPS:
- 1) EASEMENT THRU PROPERTY OF  
SERVICE LAND CO. BOR. LODI,  
BERGEN CO. SCALE 1"=50'
  - 2) EASEMENT THRU PROPERTY OF  
UNITED PIECE DYE WORKS BOR. LODI,  
BERGEN CO., SCALE 1"=50'
  - 3) NEW JERSEY STATE HIGHWAY DEPT.  
PLANE PROFILE ROUTE #6 FROM  
WESTMINSTER PLACE TO BURTON AVE.  
APRIL 1958, SCALE AS INDICATED.



ENGINEERING DEPARTMENT OF BERGEN COUNTY  
ROY J. ELAM, COUNTY ENGINEER

PLAN SHOWING EXISTING DRAINAGE  
PIPES AND STRUCTURES AT THE  
FINE ORGANICS PROPERTY, MAIN  
STREET, LODI, NEW JERSEY.

SCALE NOT TO SCALE DATE JAN. 4, 1966

DRAWN BY G.J.E. CHECKED BY

886360023

ATTACHMENT 6

886360024



DR2452

## MATERIAL SAFETY DATA SHEET

SANDOZ CHEMICALS  
4000 MONROE ROAD  
CHARLOTTE N.C. 28215

XYLENE BLUE VSG

1-0475-0-100

REVISED

DATE:

01/28/86

PAGE:

1

EMERGENCY TELEPHONE: (704) 827-9631  
CHEMTREC: (800) 424-9300

HEXEL CHEMICAL PRODS  
205 MAIN ST  
LODI NJ 07644

HMIS

HEALTH 1  
FLAMMABILITY 1  
REACTIVITY 1  
PERSONAL PROTECTION B

## \* A. PRODUCT IDENTIFICATION \*

TRADE NAME: XYLENE BLUE VSG  
SYNONYMS: C.I. ACID BLUE 9, C.I. 42090  
CHEMICAL FAMILY: TRIPHENYLMETHANE DYE  
FORMULA: C<sub>37</sub>H<sub>35</sub>N<sub>3</sub>O<sub>9</sub>S<sub>3</sub> 2H<sub>3</sub>N

CAS NO: 2650-18-2

## \* B. HAZARDOUS COMPONENTS \*

COMPONENT	CAS NO.	%	TLV
NONE UNDER 29 CFR 1910.1200			

## \* C. PHYSICAL PROPERTIES \*

BOILING POINT (°F): NOT AVAILABLE	SPECIFIC GRAVITY: NOT AVAILABLE
VAPOR PRESSURE (MM HG): NOT AVAILABLE	PERCENT VOLATILE (BY WEIGHT): NOT AVAILABLE
VAPOR DENSITY (AIR = 1): NOT AVAILABLE	EVAPORATION RATE: NOT AVAILABLE
SOLUBILITY IN WATER: SOLUBLE	PH { % IN WATER): NOT AVAILABLE
APPEARANCE AND ODOR: NAVY BLUE POWDER, MILD ODOR	

## \* D. FIRE &amp; EXPLOSION HAZARD DATA \*

FLASH POINT (°F): NOT AVAILABLE FLAMMABLE LIMITS: LEL UNKNOWN UEL UNKNOWN  
EXTINGUISHING MEDIA: WATER X ALCOHOL FOAM X CO<sub>2</sub> X DRY CHEMICAL X  
SPECIAL FIRE FIGHTING PROCEDURES:

NONE KNOWN

UNUSUAL FIRE AND EXPLOSION HAZARDS:

ORGANIC DUSTS HAVE POTENTIAL TO BE EXPLOSIVE WITH STATIC SPARK OR FLAME  
INITIATION. MAINTAIN GOOD HOUSEKEEPING FOR CONTROL OF DUST.

## \* E. REACTIVITY DATA \*

STABILITY: STABLE CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY:  
STRONG OXIDIZING AGENTS  
HAZARDOUS DECOMPOSITION PRODUCTS:  
THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON, NITROGEN AND SULFUR.

## \* F. PERSONAL PROTECTIVE EQUIPMENT INFORMATION \*

RESPIRATORY PROTECTION:  
NONE REQUIRED IN NORMAL USE, IF DUSTY CONDITIONS ARE PRESENT USE A NIOSH  
APPROVED RESPIRATOR OR DUST MASK.

PROTECTIVE GLOVES:  
BUTYL RUBBER, PVC OR NEOPRENE

EYE PROTECTION:  
SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES

VENTILATION:  
LOCAL VENTILATION RECOMMENDED - MECHANICAL VENTILATION MAY BE USED.

OTHER PROTECTIVE EQUIPMENT:  
NONE KNOWN

886360025

MATERIAL SAFETY DATA SHEET

SANDOZ CHEMICALS  
4000 MONROE ROAD  
CHARLOTTE N.C. 28215

XYLENE BLUE VSG

1-0475-0-100

REVISED

DATE:

01/28/85

PAGE:

2

EMERGENCY TELEPHONE: (704) 827-9651  
CHEMTREC: (800) 424-9500

\* G. HEALTH HAZARD DATA \*

THRESHOLD LIMIT VALUE: NOT ESTABLISHED LD50 (ORAL-RAT) >10000 MG/KG BODY WEIGHT  
DERMAL IRRITATION-RABBIT: NON-IRRITATING EYE IRRITATION-RABBIT: NON-IRRITATING

EFFECTS OF OVEREXPOSURE:

C.I. ACID BLUE 9 HAS BEEN REPORTED IN THE LITERATURE AS HAVING CARCINOGENIC EFFECTS. PEER REVIEW OF THE TEST DATA BY NATIONAL LIBRARY OF MEDICINE'S TOXICOLOGY DATA BANK HAS DETERMINED THE TESTING TO BE INVALID. NO NEW LITERATURE REVIEWS HAVE REPORTED ANY FURTHER INFORMATION CONCERNING THIS MATERIAL.

KNOWN EFFECTS ON OTHER ILLNESSES:

NO KNOWN EFFECTS ON OTHER ILLNESSES.

LISTED CARCINOGEN: NONE X OSHA NTP IARC OTHER

\* H. EMERGENCY AND FIRST AID PROCEDURES \*

SKIN:

WASH THOROUGHLY WITH SOAP AND WATER FOR 15 MINUTES. IF SKIN IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

EYES:

FLUSH IMMEDIATELY UNDER RUNNING WATER FOR FIFTEEN MINUTES. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

INHALATION:

REMOVE SUBJECT TO FRESH AIR. SEEK MEDICAL AID IF LUNG IRRITATION PERSISTS OR IF BREATHING BECOMES DIFFICULT.

INGESTION:

IF INGESTED, SEEK MEDICAL ASSISTANCE.

NOTE TO PHYSICIAN:

NONE KNOWN

\* I. SPILL AND DISPOSAL INFORMATION \*

STEPS TO BE TAKEN IN CASE OF SPILL:

SMALL SPILLS MAY BE FLUSHED TO THE SEWER OR SWEEPED UP. LARGER SPILLS SHOULD BE COLLECTED BY SHOVELLING INTO APPROPRIATE WASTE COLLECTION CONTAINERS. CLEAN UP BY FLUSHING WITH WATER IF DESIRED OR REMOVAL OF CONTAMINATED SOIL.

WASTE DISPOSAL INFORMATION:

SMALL QUANTITIES MAY BE TREATED IN AEROBIC WASTEWATER TREATMENT SYSTEMS. LARGER QUANTITIES MAY BE INCINERATED OR LANDFILLED IN APPROVED SYSTEMS.

RCRA HAZARDOUS WASTE: NO X YES RCRA # NONE CERCLA: NO X YES RQ NONE

FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

\* J. OTHER REGULATORY INFORMATION \*

TSCA: WE CERTIFY THAT ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE TOXIC SUBSTANCES CONTROL ACT.

CWA: THIS PRODUCT CONTAINS THE FOLLOWING PRIORITY POLLUTANTS AND THEIR CONCENTRATION:

CONTAINS NO KNOWN PRIORITY POLLUTANTS AT CONCENTRATIONS GREATER THAN 0.1%.

FDA / USDA: THIS PRODUCT IS REGISTERED WITH FDA / USDA NO X YES FOR USE PER SECTIONS: NONE

DOT: REGULATED YES NO X RQ NONE UN/NA NO. NONE

SHIPPING NAME: TEXTILE DYEING OR PRINTING, PIGMENTED, OR REDUCERS OR EXTENDERS, TEXTILE DYEING OR PRINTING PASTE. NMFC 154800.

HAZARD CLASSIFICATION: NOT D.O.T. REGULATED

886360026

MATERIAL SAFETY DATA SHEET

SANDOZ CHEMICALS  
4000 MONROE ROAD  
CHARLOTTE N.C. 28215

XYLENE BLUE VSG

1-0475-0-100

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EMERGENCY TELEPHONE: (704) 827-9651  
CHEMTREC: (800) 424-9300

\* K. SPECIAL PRECAUTIONS \*

HANDLING AND STORAGE INFORMATION:

KEEP CONTAINERS CLOSED. AVOID GETTING ON SKIN OR IN EYES WHEN HANDLING PRODUCT.

OTHER PRECAUTIONS:

ACNE KNOWN

IN ACCORDANCE WITH GOOD PRACTICES OF PERSONAL CLEANLINESS AND HYGIENE, HANDLE WITH DUE CARE AND AVOID ANY UNNECESSARY CONTACT WITH THIS PRODUCT.

THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATA, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, IS MADE. SANDOZ CHEMICALS CORPORATION ASSUMES NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

SANDOZ CHEMICALS CORPORATION

886360027

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MATERIAL SAFETY DATA SHEET

SANDOZ CHEMICALS  
4000 MONROE ROAD  
CHARLOTTE N.C. 28215

NYLOSAN BLUE 2AL

1-0280-0-100

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11/21/85

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HEXEL CHEMICAL PRODS  
TECHNICAL DIRECTOR  
205 MAIN ST  
LODI

NJ 07644

H M I S

HEALTH 3  
FLAMMABILITY 1  
REACTIVITY 0  
PERSONAL PROTECTION 8

\* A. PRODUCT IDENTIFICATION \*

TRADE NAME: NYLOSAN BLUE 2AL  
SYNONYMS: C.I. ACID BLUE 25, C.I. 62055  
CHEMICAL FAMILY: ANTHRAQUINONE DYE  
FORMULA: C20H14N2O55.NA

CAS NO. 5408-78-2

\* B. HAZARDOUS COMPONENTS \*

COMPONENT	CAS NO.	Z	TLV
NONE UNDER 29 CFR 1910.1200			

\* C. PHYSICAL PROPERTIES \*

BOILING POINT (°F): NOT AVAILABLE	SPECIFIC GRAVITY: NOT AVAILABLE
VAPOR PRESSURE (MM HG): NOT AVAILABLE	PERCENT VOLATILE (BY WEIGHT): NOT AVAILABLE
VAPOR DENSITY (AIR = 1): NOT AVAILABLE	EVAPORATION RATE: NOT AVAILABLE
SOLUBILITY IN WATER: 15 G/L @ 90C	PH (1 % IN WATER): 7-8
APPEARANCE AND ODOR: DARK, BRIGHT BLUE POWDER, MILD ODOR	

\* D. FIRE & EXPLOSION HAZARD DATA \*

FLASH POINT (°F): NOT AVAILABLE FLAMMABLE LIMITS: LEL UNKNOWN UEL UNKNOWN  
EXTINGUISHING MEDIA: WATER X ALCOHOL FOAM X CO2 X DRY CHEMICAL X  
SPECIAL FIRE FIGHTING PROCEDURES:  
NONE KNOWN  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
DUST MAY BE EXPLOSIVE IF MIXED WITH AIR. MAINTAIN GOOD HOUSEKEEPING FOR  
CONTROL OF DUST.

\* E. REACTIVITY DATA \*

STABILITY: STABLE CONDITIONS TO AVOID: NONE KNOWN  
HAZARDOUS POLYMERIZATION : WILL NOT OCCUR CONDITIONS TO AVOID: NONE KNOWN  
INCOMPATIBILITY:  
STRONG OXIDIZING AGENTS  
HAZARDOUS DECOMPOSITION PRODUCTS :  
THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON, NITROGEN AND SULFUR.

\* F. PERSONAL PROTECTIVE EQUIPMENT INFORMATION \*

RESPIRATORY PROTECTION:  
NONE REQUIRED IN NORMAL USE, IF DUSTY CONDITIONS ARE PRESENT USE A NIOSH  
APPROVED RESPIRATOR OR DUST MASK.

PROTECTIVE GLOVES:  
BUTYL RUBBER, PVC OR NEOPRENE

EYE PROTECTION:  
SAFETY GLASSES WITH SIDE SHIELDS.

VENTILATION:  
LOCAL VENTILATION RECOMMENDED - MECHANICAL VENTILATION MAY BE USED.

OTHER PROTECTIVE EQUIPMENT:  
NONE KNOWN

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MATERIAL SAFETY DATA SHEET

SANDOZ CHEMICALS  
4000 MONROE ROAD  
CHARLOTTE N.C. 28215

NYLOSAN BLUE 2AL

1-0260-0-100

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\* G. HEALTH HAZARD DATA \*

THRESHOLD LIMIT VALUE: NOT ESTABLISHED LD50 (ORAL-RAT) >5000 MG/KG BODY WEIGHT  
DERMAL IRRITATION-RABBIT: NON-IRRITATING EYE IRRITATION-RABBIT: NON-IRRITATING

EFFECTS OF OVEREXPOSURE:  
NO TOXICOLOGICAL TEST DATA IS AVAILABLE AND NO INFORMATION WAS FOUND IN THE  
AVAILABLE LITERATURE FOR ANY EFFECTS OF EXPOSURE. NO HEALTH EVALUATION IS  
THUS POSSIBLE. PLEASE HANDLE THIS PRODUCT WITH CARE AND AVOID UNNECESSARY  
EXPOSURES.

KNOWN EFFECTS ON OTHER ILLNESSES:  
NO KNOWN EFFECTS ON OTHER ILLNESSES.

LISTED CARCINOGEN: NONE X OSHA NTP IARC OTHER

\* H. EMERGENCY AND FIRST AID PROCEDURES \*

SKIN:  
WASH THOROUGHLY WITH SOAP AND WATER FOR FIFTEEN MINUTES.

EYES:  
FLUSH IMMEDIATELY UNDER RUNNING WATER FOR FIFTEEN MINUTES.

INHALATION:  
SEEK MEDICAL ATTENTION

INGESTION:  
IF INGESTED, SEEK MEDICAL ASSISTANCE.

NOTE TO PHYSICIAN:  
NONE KNOWN

\* I. SPILL AND DISPOSAL INFORMATION \*

STEPS TO BE TAKEN IN CASE OF SPILL:  
SWEEP UP AND PLACE IN PROPER WASTE DISPOSAL CONTAINER.

WASTE DISPOSAL INFORMATION:  
SMALL QUANTITIES MAY BE TREATED IN AEROBIC WASTEWATER TREATMENT SYSTEMS.  
LARGER QUANTITIES MAY BE INCINERATED OR LANDFILLED IN APPROVED SYSTEMS.

RCRA HAZARDOUS WASTE: NO X YES RCRA # NONE CERCLA: NO X YES RQ NONE

FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

\* J. OTHER REGULATORY INFORMATION \*

TSCA: WE CERTIFY THAT ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS  
OF THE TOXIC SUBSTANCES CONTROL ACT.

CWA: THIS PRODUCT CONTAINS THE FOLLOWING PRIORITY POLLUTANTS AND THEIR CONCENTRATION:  
CONTAINS NO KNOWN PRIORITY POLLUTANTS AT CONCENTRATIONS GREATER THAN 0.1%  
FDA / USDA: THIS PRODUCT IS REGISTERED WITH FDA / USDA NO X YES FOR USE PER SECTIONS:  
NONE

DOT: REGULATED YES NO X RQ NONE UN/NA NO. NONE

SHIPPING NAME: TEXTILE DYEING OR PRINTING, PIGMENTED, OR  
REDUCERS OR EXTENDERS, TEXTILE DYEING OR  
PRINTING PASTE. NMFC 154800.

HAZARD CLASSIFICATION: NOT D.O.T. REGULATED

886360029

MATERIAL SAFETY DATA SHEET

SANDOZ CHEMICALS  
4000 MONROE ROAD  
CHARLOTTE N.C. 28215

MYLOSAN BLUE 24L

1-0280-0-100

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\* K. SPECIAL PRECAUTIONS \*

HANDLING AND STORAGE INFORMATION:  
NO HANDLING AND STORAGE SPECIFIED.

OTHER PRECAUTIONS:  
NONE KNOWN

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